

#2

Sheet 1 (A) of 10

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MRD/63

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INFORMATION DISCLOSURE
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Raghavan Rajagopalan et
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July 3, 2001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TCU	A.A	5	5	1	8	8	8	8	5/1996	Waldman	435	7,22	
TCU	A.B	5	7	1	4	3	4	2	2/1998	Komoriya et al.	435	22	
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	A.L						
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

gm	A.R	S. Achilefu, Ph.D. et al., <u>Novel Receptor-Targeted Fluorescent Contrast Agents for In Vivo Tumor Imaging</u> , Investigative Radiology, Vol. 35, No. 8, 2000, 479-485.					
gl	A.S	Jerome Amaudrut et al., <u>The Thermal Sulfenyl-Sulfoxide Rearrangement: A Radical Pair Mechanism</u> , J. Amer. Chem. Soc., Vol. 122, 2000, 3367-3374.					
TCU	A.T	A. Andreoni et al., <u>Tumour photosensitization by chemotherapeutic drugs</u> , Biology, N3, 1993, 43-46.					

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


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	B.R	Byron Ballou et al., <u>Tumor labeling in vivo using cyanine-conjugated monoclonal antibodies</u> , Cancer Immunology and Immunotherapy, Vol. 41, 1995, 257-263.
	B.S	M.D. Daniell et al., <u>A History of Photodynamic Therapy</u> , Aust. N.Z. J. Surg., Vol. 61, 1991, 340-348.
	B.T	T.J. Dougherty et al., <u>Photoradiation Therapy. II. Cure of Animal Tumors with Hematoporphyrin and Light</u> , Journal of the National Cancer Institute, Vol. 55, No. 1, 1975, 115-121.

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	C.R	G. Freiherr, <u>The Light Stuff: Optical Imaging in Medical Diagnosis</u> , Medical Device & Diagnostic Industry Magazine, 1998, 1-7.
	C.S	M.R. Hamblin et al., <u>On the mechanism of the tumour-localising effect in photodynamic therapy</u> , J. Photochem. Photobiol. B: Biol., Vol. 23, 1994, 3-8.
	C.T	J. C. Hebden et al., <u>Diagnostic imaging with light</u> , The British Journal of Radiology, Vol. 70, 1997, S206-S214.

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

43	D.R	D.J. Hnatowich et al., <u>Radioactive Labeling of Antibody: A Simple and Efficient Method</u> , Science, Vol. 220, 1983, 613-615.					
M	D.S	G. Jori, <u>Tumour photosensitizers: approaches to enhance the selectivity and efficiency of photodynamic therapy</u> , Journal of Photochemistry and Photobiology B: Biology, Vol. 36, 1996, 87-93.					
N	D.T	G. Jori, <u>Novel Therapeutic Modalities Based on Photosensitized Processes</u> , EPA Newsletter, No. 60, 1997, 12-18.					

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th	E.R.	G. Jori, <u>Far-red-absorbing photosensitizers: their use in the photodynamic therapy of tumours</u> , J. Photochem. Photobiol. A: Chem., Vol. 62, 1992, 371-378.
W	E.S.	G. Jori et al., <u>Second Generation Photosensitizers for the Photodynamic Therapy of Tumours</u> , Light in Biology and Medicine, Vol. 2, R.H. Douglas et al. (Eds.), 1991, 253-266.
th	E.T.	M. Korbélik, <u>Photosensitizers in photodynamic therapy</u> , Periodicum Biologorum, Vol. 93, No. 4, 1991, 563-574.

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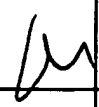
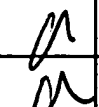
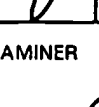
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	F.R	K. Licha et al., <u>New Contrast Agents for Optical Imaging: Acid-Cleavable Conjugates of Cyanine Dyes with Biomedicals</u> , Part of the SPIE Conference on Molecular Imaging: Reporters, Dyes, and Instrumentation, Proceedings of SPIE, Vol. 3600, 1999, 29-35.
	F.S	R.L. Lipson, M.D. et al., <u>Hematoporphyrin Derivative for Detection and Management of Cancer</u> , Cancer, Vol. 20, No. 12, 1967, 2255-2257.
	F.T	Y. Luo et al., <u>Rapid Initiation of Apoptosis by Photodynamic Therapy</u> , Photochemistry and Photobiology, Vol. 63, No. 4, 1996, 528-534.

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	G.R	K. Matsumura, <u>1-Aminoacridine-4-carboxylic Acid</u> , Journal of the American Chemical Society, Vol. 60, (1938) 591-593.
	G.S	G.G. Miller et al., <u>Preclinical Assessment of Hypocrellin B and Hypocrellin B Derivatives as Sensitizers for Photodynamic Therapy of Cancer: Progress Update</u> , Photochemistry and Photobiology, Vol. 65, No. 4, 1997, 714-722.
	G.T	T. Parasassi et al., <u>Two-photon microscopy of aorta fibers shows proteolysis induced by LDL hydroperoxides</u> , Free Radical in Biology and Medicine, Vol. 28, No. 11, 2000, 1589-1597.

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	H.R	D.J. Pasto et al., <u>Demonstration of the Synthetic Utility of the Generation of Alkoxy Radicals by the Proto-Induced, Homolytic Dissociation of Alkyl 4-Nitrobenzenesulfonates</u> , Tetrahedron Letters, Vol. 35, No. 25, 1994, 4303-4306.
	H.S	A. Pelegrin et al., <u>Photoimmunodiagnosis with antibody-fluorescein conjugates: in vitro and in vivo preclinical studies</u> , J. Cell Pharmacol, Vol. 3, 1992, 141-145.
	H.T	W. G. Roberts et al., <u>Role of Neovasculature and Vascular Permeability on the Tumor Retention of Photodynamic Agents</u> , Cancer Research, Vol. 52, 1992, 924-930.

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


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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	I.R	G.I. Stables et al., <u>Photodynamic therapy</u> , Cancer Treatment Reviews, Vol. 21, 1995, 311-323.
	I.S	T. Takemura et al., <u>Mechanism of Photodynamic Therapy: Exploration by Photophysicochemical Study</u> , Frontiers of Photobiology, 1993, 503-506.
	I.T	K.B. Trauner et al., <u>Photodynamic Synovectomy Using Benzoporphyrin Derivative in an Antigen-Induced Arthritis Model for Rheumatoid Arthritis</u> , Photochemistry and Photobiology, Vol. 67, No. 1, 1998, 133-139.

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	I.P.J. van Geel et al., <u>Photosensitizing Efficacy of MTHPC-PDT Compared to Photofrin-PDT in the RIF1 Mouse Tumour and Normal Skin</u> , Int. J. Cancer, Vol. 60, 1995, 388-394.
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